

Valid heading during volumes 129–130 (July 1998–June 1999) only
See *Bond*, carbon–carbon
Carbon–carbon bond length
Valid heading during volumes 129–130 (July 1998–June 1999) only
See *Bond length*, carbon–carbon
Carbon chloride (CCl)
See *Methyldiyne*, chloro- [3889–76–7]
Carbon chloride (CCl₂)
See *Methylene*, dichloro- [1605–72–7]
Carbon chloride (CCl₃)
See *Methyl*, trichloro- [3170–80–7]
Carbon chloride (CCl₄)
See *Methane*, tetrachloro- [56–23–5]
Carbon chlorosulfide
See *Carbonothioic dichloride* [463–71–8]
Carbon clusters
Valid heading during volumes 126–130 (1997–June 1999) only
See *Clusters*, carbon
Carbon cycle
See also narrower:
Photosynthesis, biological
Soil respiration
See also related:
Carbonate sediments
Organic residue sediments
Carbon dioxide
See also *Carbonic acid* [463–79–6]
ion(1–) — see also *Methyl*, hydroxyoxo- [2564–86–5]
Carbon dioxide, biological studies
hypercapnia — see also *Hypercapnia*
hypocapnia — see also *Hypocapnia*
photosynthetic metabolism of — see also *Photosynthesis*, biological
Carbon dioxide, processes
removal of, from water — see also *Water purification*
Carbon dioxide, properties
laser emission from
see also
IR laser radiation
Lasers
carbon dioxide
Carbon dioxide, uses
lasers — see also *Lasers*, carbon dioxide
in sugar–juice clarification
see also
Carbohydrates, preparation
α-D-Glucopyranoside, β-D-fructofuranosyl [57–50–1], preparation
Carbon dioxide, hydrazones
mono(diphenylhydrazone) —
see *Hydrazine*, carbonyldiphenyl- [67500–29–2]
monohydrazone — see *Hydrazine*, carbonyl- [67249–78–9]
Carbon dioxide, oximes
mono(O-phenyloxime) —
see *Benzene*, (isocyanatoxy)- [52341–62–5]
Carbon dioxide pollution
Valid heading during volumes 126–130 (1997–June 1999) only
See
Air pollution
carbon dioxide
Carbon dioxide [124–38–9]
Carbon dioxide, compounds
tetraoxide — see *Carbon oxide sulfide (CO₄S₂)* [72730–22–4]
Carbonates
See also *Polycarbonates*
Carbon fiber composites
Valid heading during volumes 126–130 (1997–June 1999) only
See *Carbon fibers*, composites
Carbon fiber prepreps
See *Reinforced plastics*, carbon fiber–reinforced
Carbon fiber–reinforced plastics
Valid heading during volumes 126–130 (1997–June 1999) only
See *Reinforced plastics*, carbon fiber–reinforced
Carbon fibers
See also related: *Composites*
Carbon fluoride (CF)
See *Methyldiyne*, fluoro- [3889–75–6]
Carbon fluoride (CF₂)
See *Methylene*, difluoro- [2154–59–8]
Carbon fluoride (CF₃)
See *Methyl*, trifluoro- [2264–21–3]
Carbon fluoride (CF₄)
See *Methane*, tetrafluoro- [75–73–0]
Carbonic acid [463–79–6]
Only copolymers derived from carbonic acid itself and copolymers in which the carbonic monomer is not specified are indexed at this heading. Entries for other monomeric species may be found at their respective headings, e.g., *Carbonic dichloride*. A polycarbonates are also indexed at
Polycarbonates
See also
Carbon dioxide [124–38–9]
Carbonoperoxoic acid [563–69–9]
Peroxydicarbonic acid [27641–41–4]
ion(1–) — see *Carbonate*, hydrogen [71–52–3]
ion(2–) — see *Carbonate* [3812–32–6]
Carbonic acid, compounds
salts (unspecified) — see *Carbonates*
aluminum salt (3:2) [14455–29–9]
Studies of unspecified aluminum carbonates and Al₂(CO₃)₃ are indexed at this heading. Species with other molecular formulas are indexed at their own headings
barium salt (1:1) [513–77–9]
Studies of unspecified barium carbonates and BaCO₃ are indexed at this heading. Species with other molecular formulas are indexed at their own headings
bismuth (3+) salt (3:2) [16508–95–5]

Studies of unspecified bismuth carbonates and $\text{Bi}_2(\text{CO}_3)_3$ are indexed at this heading. Species with other molecular formulas are indexed at their own headings

cadmium salt (1:1) [513–78–0]
Studies of unspecified cadmium carbonates and $\text{Cd}(\text{CO}_3)$ are indexed at this heading. Species with other molecular formulas are indexed at their own headings

calcium salt (1:1) — see the subdivided heading
Carbonic acid calcium salt (1:1) [471–34–1]
which will be found following all the headings for *Carbonic acid*

copper(2+) salt (1:1), basic —
see *Copper, $[\mu\text{-}[\text{carbonato}(2^-)-\kappa\text{O},\kappa\text{O}]]\text{-dihydroxydi-}$* [12069–69–1]

cesium salt [534–17–8]
Studies of unspecified cesium carbonates and $\text{Cs}_2(\text{CO}_3)$ are indexed at this heading. Species with other molecular formulas are indexed at their own headings

dilithium salt [554–13–2]
Studies of unspecified lithium carbonates and $\text{Li}_2(\text{CO}_3)$ are indexed at this heading. Species with other molecular formulas are indexed at their own headings

dipotassium salt [584–08–7]
Studies of unspecified potassium carbonates and $\text{K}_2(\text{CO}_3)$ are indexed at this heading. Species with other molecular formulas are indexed at their own headings

dirubidium salt [584–09–8]
Studies of unspecified rubidium carbonates and $\text{Rb}_2(\text{CO}_3)$ are indexed at this heading. Species with other molecular formulas are indexed at their own headings

disilver(1+) salt [534–16–7]
Studies of unspecified silver carbonates and $\text{Ag}_2(\text{CO}_3)$ are indexed at this heading. Species with other molecular formulas are indexed at their own headings

disodium salt — see the subdivided heading
Carbonic acid disodium salt [497–19–8]
which will be found following all the headings for *Carbonic acid*

dithallium(1+) salt [6533–73–9]
Studies of unspecified thallium carbonates and $\text{Tl}_2(\text{CO}_3)$ are indexed at this heading. Species with other molecular formulas are indexed at their own headings

lanthanum(3+) salt (3:2) [587–26–8]
Studies of unspecified lanthanum carbonates and $\text{La}_2(\text{CO}_3)_3$ are indexed at this heading. Species with other molecular formulas are indexed at their own headings

lead(2+) salt (1:1) [598–63–0]
Studies of unspecified lead carbonates and $\text{Pb}(\text{CO}_3)$ are indexed at this heading. Species with other molecular formulas are indexed at their own headings

lead salt, basic — see *Lead, bis[carbonato(2-)]-dihydroxytri-* [1319–46–6]

magnesium salt (1:1) [546–93–0]
Studies of unspecified magnesium carbonates and $\text{Mg}(\text{CO}_3)$ are indexed at this heading. Species with other molecular formulas are indexed at their own headings

monosodium salt — see the subdivided heading
Carbonic acid monosodium salt [144–55–8]
which will be found following all the headings for *Carbonic acid*

monostannyl deriv. —
see *Stannane, (carboxyoxo)-* [25440–82–8]

neodymium(3+) salt (3:2) [5895–46–5]
Studies of unspecified neodymium carbonates and $\text{Nd}_2(\text{CO}_3)_3$ are indexed at this heading. Species with other molecular formulas are indexed at their own headings

nickel(2+) salt (1:1) [3333–67–3]
Studies of unspecified nickel carbonates and $\text{Ni}(\text{CO}_3)$ are indexed at this heading. Species with other molecular formulas are indexed at their own headings

nickel salt, basic — see *Nickel carbonate hydroxide ($\text{Ni}_3(\text{CO}_3)(\text{OH})_4$)* [12607–70–4]

strontium salt (1:1) [1633–05–2]
Studies of unspecified strontium carbonates and $\text{Sr}(\text{CO}_3)$ are indexed at this heading. Species with other molecular formulas are indexed at their own headings

— see also *Strontianite ($\text{Sr}(\text{CO}_3)$)* [14941–40–3]

yttrium(3+) salt (3:2) [556–28–5]
Studies of unspecified yttrium carbonates and $\text{Y}_2(\text{CO}_3)_3$ are indexed at this heading. Species with other molecular formulas are indexed at their own headings

zinc salt (1:1) [3486–35–9]
Studies of unspecified zinc carbonates and $\text{Zn}(\text{CO}_3)$ are indexed at this heading. Species with other molecular formulas are indexed at their own headings

zirconium salt, basic —
see *Zirconium, [carbonato(2-)- $\kappa\text{O},\kappa\text{O}']\text{-oxo-}$* [15667–84–2]

carbonic acid [463–79–6], **esters**
Cyclic esters of carbonic acid with systematically named polyhydric alcohols and phenols are now indexed at the ring names: thus, the cyclic 1,2-ethanediyl ester is indexed at 1,3-Dioxolan-2-one and the cyclic 1,2-phenylene ester at 1,3-Benzodioxol-2-one. Cyclic carbonates of natural products are indexed at the hydroxy compound if it is named at a natural-product heading, e.g., $\alpha\text{-D-Glucopyranoside, methyl, cyclic}$ 3,4-carbonate. When groups expressed as substituents at a natural-product heading are esterified, the cyclic ester is expressed as a divalent substituent, e.g., *Androstan-3-one, 1,2-[carbonylbis(oxo)]-17-hydroxy-*, (18,28,58,178)

Simple esters (butyl, chlorophenyl, cyclohexyl, decyl,

2-(diethylamino)ethyl, 2-(dimethylamino)ethyl, 1,1-dimethylethyl, dodecyl, ethenyl, ethyl, 2-ethylbutyl, 2-ethylhexyl, heptyl, hexyl, methyl, 1-methylethyl, methylphenyl, 1-methylpropyl, 2-methylpropyl, nitrophenyl, nonyl, octadecyl, octyl, pentyl, phenyl, 2-phenylethyl, phenylmethyl, 2-propenyl, and propyl), and indefinitely branched isoalkyl or neoalkyl are indexed at this heading. Mixed esters, whether or not they contain radicals listed above, are indexed at this heading. Other esters are indexed only at the alcohols (thiols)

cyclic bicyclo[2.2.2]octa-5,7-diene-2,3-diyl ester — see 4,7-Etheno-1,3-benzodioxol-2-one, 3a,4,7,7a-tetrahydro- [32342-24-8]

oxydi-2,1-ethanediyl di-2-propenyl ester — see 2,5,8,10-Tetraoxatridec-12-enoic acid, 9-oxo-, 2-propenyl ester [142-22-3]

Carbonic acid, hydrazides

dihydrazide — see Carbonic dihydrazide [497-18-7]

monohydrazide — see Hydrazinecarboxylic acid [471-31-8]

Carbonic acid

—, **azidothio-**
See Carbonazidodithioic acid [4472-06-4]

—, **dithio-**
See Carbonodithioic acid [4741-30-4]

Carbonic acid calcium salt (1:1) [471-34-1]
Studies of unspecified calcium carbonates and $\text{Ca}(\text{CO}_3)_2$ are indexed at this heading. Species with other molecular formulas are indexed at their own headings

See also
Chalk
Limestone
whiting — see also *Pigments, nonbiological*, whiting

Carbonic acid disodium salt [497-19-8]
Studies of unspecified sodium carbonates and $\text{Na}_2(\text{CO}_3)$ are indexed at this heading. Species with other molecular formulas are indexed at their own headings

See also
Carbonoperoxoic acid, disodium salt [4452-58-8]
Peroxydicarbonic acid, disodium salt [3313-92-6]

Carbonic anhydride
See *Dehydratase, carbonate* [9001-03-0]

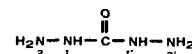
Carbonic anhydride
See *Carbon dioxide* [124-38-9]

Carbonic dibromide
azine — see Carbonohydrazonic dibromide, (dibromomethylene)- [14928-04-2]

Carbonic dichloride
reactions — see also *Acylation*, *phosgenation*
—, (phenylimino)-
See *Carbonylimidic dichloride, phenyl-* [622-44-6]

—, **thio-**
See *Carbonothioic dichloride* [463-71-8]

Carbonic dihydrazide [497-18-7]



See *Carbon fibers, pitch-based*

See *Thiodicarbonyl diamide* ($[(H_2N)C(S)]_2S$), tetramethyl-, mixt. with thiodicarbonyl diamide ($[(H_2N)C(S)]_2S$) [62948-57-6]

Carbonimidic acid [6703-56-6]
Cyclic derivatives of carbonimidic acid, HN:C(OH)_2 , including cyclic anhydrides, esters and hydrazides, are indexed at the ring names. The cyclic 1,3-propanediyl ester is indexed at *1,3-Dioxan-2-imine*

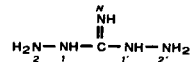
dihydrazide — see *Carbonimidic dihydrazide*

[4364-78-7]
monohydrazide — see *Hydrazinecarboximidic acid*
[51433-48-8]

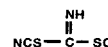
Carbonimidic diazide [68854-77-3]



Carbonimidic dihydrazide [4364-78-7]



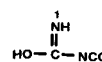
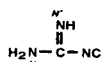
Carbonimidic dithiocyanate [65072-63-1]



Carbonimidodithioic acid [60253-81-8]



Carbonimidisocyanatidic acid (65505-29-5)

**Carbonimid(isothiocyanatidic) amide [29396-45-0]**

Carbonimid(isothiocyanatido)thioic acid
[71598-13-5]